

Title (en)  
PROPULSIVE WING WITH INFLATABLE ARMATURE

Publication  
**EP 0202271 B1 19890524 (FR)**

Application  
**EP 85905633 A 19851108**

Priority  
FR 8417701 A 19841116

Abstract (en)  
[origin: WO8602902A1] Very light wing, configured like a spherical gore and intended to the traction and lift of various loads. The wing having a leading edge (1) and a trailing edge (2), is embodied by a inflatable armature (3 and 4) covered by a flexible envelope (5) both in the intrados (I) and in the extrados (S), so arranged as to obtain an aircraft wing profile . Each of its tips (6) receives through an adjusting plate (7) one of its two ends of the control rope (8). Said control rope is passed onto a pulley mounted on the craft to be displaced or to a person through a harness. Due to its simplicity of design and utilization, the wing provides many possible applications of which the most evident are sliding sports, yachting, gliding.

IPC 1-7  
**B63H 9/06**; **B64C 3/30**; **B64D 17/00**

IPC 8 full level  
**B63B 35/79** (2006.01); **B63H 9/06** (2006.01); **B64C 31/036** (2006.01); **B64D 17/02** (2006.01); **B64D 17/72** (2006.01)

CPC (source: EP US)  
**B63H 8/12** (2020.02 - EP US); **B63H 9/069** (2020.02 - EP US); **B64C 31/036** (2013.01 - EP US); **B64D 17/025** (2013.01 - EP US); **B64D 17/72** (2013.01 - EP US); **B64C 2031/065** (2013.01 - EP US)

Cited by  
FR2762583A1; FR2830840A1; WO03031258A1; DE10018129A1; FR2854869A1

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**WO 8602902 A1 19860522**; AU 5068785 A 19860603; DE 3570413 D1 19890629; EP 0202271 A1 19861126; EP 0202271 B1 19890524; FR 2581961 A1 19861121; US 4708078 A 19871124

DOCDB simple family (application)  
**FR 8500318 W 19851108**; AU 5068785 A 19851108; DE 3570413 T 19851108; EP 85905633 A 19851108; FR 8417701 A 19841116; US 90533586 A 19860813